

ENHANCED ENGLISH ABSTRACT FOR DE2616086

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Derwent Accession :

1977-79600Y [45]

Title :

Blood and plasma substitute comprising a colloidal soln. of hydroxyethyl starch coupled to haemoglobin free of stroma

Derwent Class :

A11 A96 B04

Patent Assignee :

(FREP) FRESENIUS CHEM PHARM IND EDUARD

(FREP) FRESENIUS E CHEM PHARM

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EPO Class Codes :

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K61K-038:00

Abstract :

DE2616086 A

Colloidal vol. replacement agent (I) comprises hydroxyethyl starch (HES) coupled stroma-free to haemoglobin (HGB). (I) can be used to replace blood and plasma losses of over 1.5 l. (in accidents, operations and illnesses), to pre-fill heart-lung machines in cardiac operations, as cardioplegia solns., perfusion in transplants, as a rheologically effective solns. with hyperonkotic activity and of low viscosity. The residue time of HGB in the circulation is increased by coupling with HES, and can be regulated by varying the type and degree of crosslinking and the m. wt. and degree of substn. of the HES. (I) can transport O₂ and CO₂. (I) does not transmit hepatitis or other diseases, is independent of blood group, can be prep'd. in large quantities and is storage stable.

Manual Codes :

CPI: A10-E08C A12-V02 B04-B04D B04-C02 B12-H06

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